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ATGTGCTTTT TAAATTGGCC TGCGTGACCG GCCCACTTGG TGTAGAGAG CAACAAAGCC AAGGGAGGC CTGAAGGAC TCCACAGGAG TGTGAGCAGC ACTGCTTCAG CAACAAAGCC AAGGGAGGC CTGAAGGAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC AGGGAGCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC AGGGAG TCCACAGGAG TTCTGAGCAGC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ATCTTGGGAA GAAT ATG GCC ACT TCC TGG GGG GCT GTC TTC AGGTCCAC ACT TCC ACT TCC A														60 120 180 231		
Met 10	Leu	Ile	Ile	Ala	Cys 15	var v	3 L Y	501		20		-	_		25	279
Gln	ACC Thr	Trp	Phe	G1u 30	СІУ	vai	FIIC	Deu	35			-		40		327
GTC Val	AGT Ser	GCC Ala	GGC Gly 45	A CC Thr	TTT Phe	TAT Tyr	GGA Gly	ATT Ile 50	ATG Met	TTT Phe	GAT Asp	GCG Ala	GGC Gly 55	AGC Ser	ACT Thr	375
GGA Gly	ACT Thr	CGG Arg 60	ATT Ile	CAT His	GTT Val	TAC Tyr	ACT Thr 65	TTT Phe	GTG Val	CAG Gln	AAA Lys	ACA Thr 70	GCA Ala	GGA Gly	CAG Gln	423
CTC Leu	CCC Pro 75	TTT Phe	CTG Leu	GAA Glu	GGT Gly	GAA Glu 80	ATT Ile	TTT Phe	GAT Asp	TCT Ser	GTG Val 85	AAG Lys	CCG Pro	GGA Gly	CTT Leu	471
Ser 90	GCT Ala	Phe	Val	Asp	95	PIO	гуз	01	017	100					105	519
CTC Leu	TTG Leu	GAG Glu	GTG Val	GCC Ala 110	AAA Lys	GAC Asp	TCG Ser	ATC Ile	CCC Pro 115	AGA Arg	AGC Ser	CAC His	TGG Trp	GAA Glu 120	AGG Arg	567
ACC Thr	CCG Pro	GTG Val	GTT Val 125	CTG Leu	AAA Lys	GCA Ala	ACG Thr	GCC Ala 130	GGA Gly	CTC Leu	CGT Arg	TTG Leu	CTG Leu 135	CCT Pro	GAG Glu	615
CAG Gln	AAA Lys	GCC Ala 140	Gln	GCT Ala	CTG Leu	CTC Leu	TTG Leu 145	GIU	GTA Val	GAG Glu	GAG Glu	ATC Ile 150	TTC Phe	AAG Lys	AAT Asn	663
TCA Ser	CCT Pro 155	TTC Phe	CTG Leu	GTC Val	CCA Pro	GAT Asp 160	GGC G1 y	AGC Ser	GTT Val	AGC Ser	ATC Ile 165	ATG Met	GAT Asp	GGG Gly	TCC Ser	711
TAT Tyr 170	Glu	GGC Gly	ATA Ile	CTA Leu	GCC Ala 175	Trp	GTT Val	ACC Thr	GTG Val	AAC Asn 180	TTT Phe	CTA Leu	ACA Thr	GGT Gly	CAG Gln 185	759
CT(CAT His	GGT Gly	CGT Arg	GGC Gly 190	Gln	GAG Glu	ACT Thr	GTG Val	GG G Gly 195	1111	CTI Leu	GAC Asp	CTG	GGG Gly 200	GGT Gly	807
GC0 Ala	C TCC a Ser	ACC Thi	CAA Gln 205	Ile	ACG Thr	TTT Phe	CT <i>I</i> Lev	A CCC Pro 210	011	TTT Phe	GAC	AAA Lys	A ACC Thr 215	CTC Lev	G GAA 1 Glu	855
CA Gl:	A ACA	CCT Pro	Arç	GGC Gly	TAC Tyr	CTC Leu	ACT Thi		TT:	r GAC e Glu	ATO	TT1 Phe 230		AGC Sei	C ACT	903

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9598-066

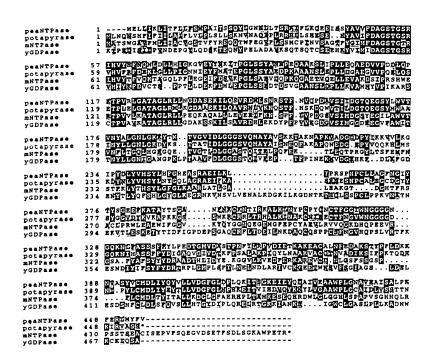
TTT Phe	AAG Lys 235	CTC Leu	TAT Tyr	ACA Thr	CAT His	AGT Ser 240	TAC Tyr	TTG Leu	GGA Gly	TTT Phe	GGA Gly 245	CTG Leu	AAA Lys	GCT Ala	GCA Ala	951
AGA Arg 250	CTG Leu	GCA Ala	ACT Thr	CTG Leu	GGA Gly 255	GCC Ala	CTG Leu	GAA Glu	GCA Ala	AAA Lys 260	GGG Gly	ACT Thr	GAT Asp	GGA Gly	CAT His 265	999
ACG Thr	TTT Phe	CGA Arg	AGT Ser	GCC Ala 270	TGT Cys	TTA Leu	CCA Pro	AGA Arg	TGG Trp 275	TTG Leu	GAA Glu	GCA Ala	GAG Glu	TGG Trp 280	ATC Ile	1047
TTT Phe	GGG Gly	GGT Gly	GTG Val 285	AAA Lys	TAC Tyr	CAG Gln	TAT Tyr	GGT Gly 290	GGT Gly	AAC Asn	CAA Gln	GAA Glu	GGG Gly 295	G A G Glu	ATG Met	1095
GGC Gly	TTT Phe	GAA Glu 300	CCC Pro	TGC Cys	TAT Tyr	GCG Ala	GAA Glu 305	GTG Val	CTG Leu	AGG Arg	GTA Val	GTA Val 310	CAG Gln	GGG Gly	AAA Lys	1143
CTT Leu	CAC His 315	CAG Gln	CCA Pro	GAA Glu	GAA Glu	GTC Val 320	CGA Arg	GGA Gly	AGC Ser	GCC Ala	TTC Phe 325,	TAC Tyr	GCT Ala	TTC Phe	TCT Ser	1191
TAC Tyr 330	TAC Tyr	TAC Tyr	GAT Asp	CGA Arg	GCC Ala 335	GCT Ala	GAC Asp	ACA Thr	CAC His	TTG Leu 340	ATC Ile	GAT Asp	TAT Tyr	G AA Glu	AAG Lys 345	1239
GGC Gly	GGG Gly	GTT Val	TTA Leu	AAA Lys 350	GTT Val	GAA Glu	GAT Asp	TTT Phe	GAA Glu 355	AGA Arg	AAA Lys	GCC Ala	AGA Arg	GAA Glu 360	GTG Val	1287
TGT Cys	GAC Asp	AAC Asn	TTG Leu 365	GGG Gly	AGC Ser	TTC Phe	TCC Ser	TCG Ser 370	GGC Gly	AGT Ser	CCT Pro	TTC Phe	CTC Leu 375	TGC Cys	ATG Met	1335
GAC Asp	CTC Leu	ACT Thr 380	TAC Tyr	ATC Ile	ACA Thr	GCC Ala	CTG Leu 385	TTG Leu	AAA Lys	GAT Asp	GGT Gly	TTG Leu 390	GGC Gly	TTT Phe	GCC Ala	1383
GAA Glu	CGG Arg 395	CAC His	CCT Pro	CTT Leu	ACA Thr	GCT Ala 400	CAC His	AAA Lys	GAA Glu	AGT Ser	GAA Glu 405	CAA Gln	CAT His	AGA Arg	GAC Asp	1431
TGG Trp 410	TTG Leu	GGC Gly	CTT Leu	GGG Gly	GGC Gly 415	CAC His	CTT Leu	TCA Ser	CCT Pro	GCT Ala 420	CCA Pro	GTC Val	TCT Ser	GGG Gly	CAT His 425	1479
CAC His	CAG Gln	CTG Leu	AGG Arg	CCA Pro 430	AGC Ser	TCC Ser	ACC Thr	TCT Ser	GAA Glu 435	GCC Ala	TGC Cys	ATT Ile	TCT Ser	GAA Glu 440	CCA Pro	1527
GTT Val	TTC Phe	TCA Ser	CAG Gln 445	GAA Glu	GGC Gly	GTG Val	GAC Asp	TCA Ser 450	GAG Glu	ACA Thr	TTT Phe	TCT Ser	GAC Asp 455	CTC Leu	TCT Ser	1575
		GCC Ala 460						TAAC	TGGT	TT T	AATA	GGAG	GG GA	.GGG0	STTTT	1629

Fig. 1 (cont'd.)

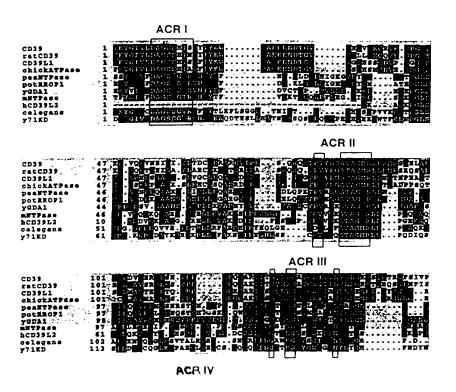
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TAGATGAGTC	TTGCTCTTGA	GCCTAGTGAT	TTGGGCTTCA	ATGATTTGCA	CATCTAATGT	1689
GAATAGCTCC	TAACCACTTG	GTGGGTGCAT	GGCTGGCACC	AGACTGTAAA	TCTTTTGGGA	1749
TTCTTTGTAC	AGAGTCCTGC	AAAGGAAAAA	AGAGAAAACG	TTTGGAACTC	CATGCTAGAT	1809
TGCGAGTTCA	GAGACAGGTC	CCTGGGGACC	AAAGAACAAT	CTCGTTTCAA	CCCTTGGATG	1869
CCTCATTGCT	TTGAATGGAT	TCATTTTTGC	TTATAAGCTG	ATTTACTGAA	ATCCCATAAC	1929
CCATCAATGC	TGTTAATTTT	TTTCTTCCTA	CCCTTATTAC	ATTCCCTACC	CTAAAAGCCT	1989
GGGGGAAATA	CCTGGTTTTG	CTTCCCATCT	ATAATTGAGA	AAGAGGGGG	AAAAGATACT	2049
GTATTAGAAT	TTGTGTGATC	CTGTGGCACA	ATAGATCAAC	CAACCCATTT	AAAGCTTAAA	2109
AAAAAAAAA						2119

F16. 1 (contid.)



F16.2



F16.3

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GTGGGGTC AAGACCGG GCGCGGTG AAAACGAG	CT GCCG	CCTGCT C ATGGGC T	CCCGGAA! ATGTGAA]	A GG G AA	GCAC' AAAA	TCGT GGTA	TCC	CCTC(STTA(GCT (IGA /	STGG(AACT) G AT(CGGAGC ICCAGA	60 120 180 237
AAA ATA Lys Ile	TCC AAC Ser Asn 5	CAC GGG His Gly	AGC CTC Ser Let 10	G CGG L Arg	GTG Val	GCG Ala	AAG Lys	GTG Val 15	GCA Ala	TAC Tyr	CCC Pro	285
CTG GGG Leu Gly 20	CTG TGT Leu Cys	GTG GGC Val Gly	GTG TTG Val Phe 25	ATC lle	TAT Tyr	GTT Val	GCC Ala 30	TAC Tyr	ATC Ile	AAG Lys	TGG Trp	333
CAC CGG His Arg 35	GCC ACC Ala Thr	GCC ACC Ala Thr 40	CAG GCC Gln Ala	TTC Phe	TTC Phe	AGC Ser 45	ATC Ile	ACC Thr	AGG Arg	GCA Ala	GCC Ala 50	381
CCG GGG Pro Gly	GCC CGG Ala Arg	TGG GGT Trp Gly 55	CAG CAC Gln Glr	GCC Ala	CAC His 60	AGC Ser	CCC Pro	CTG Leu	GGG Gly	ACA Thr 65	GCT Ala	429
GCA GAC Ala Asp	GGG CAC Gly His 70	GAG GTC Glu Val	TTC TAC Phe Tyr	GGG Gly 75	ATC Ile	ATG Met	TTT Phe	GAT Asp	GCA Ala 80	GGA Gly	AGC Ser	477
ACT GGC . Thr Gly	ACC CGA Thr Arg 85	GTA CAC Val His	GTC TTC Val Phe 90	CAG Gln	TTC Phe	ACC Thr	CGG Arg	CCC Pro 95	CCC Pro	AGA Arg	GAA Glu	525
ACT CCC Thr Pro 100	ACG TTA Thr Leu	ACC CAC Thr His	GAA ACC Glu Thr 105	TTC Phe	AAA Lys	GCA Ala	GTG Val 110	AAG Lys	CCA Pro	GGT Gly	CTT Leu	573
TCT GCC Ser Ala 115	TAT GCT Tyr Ala	GAT GAT Asp Asp 120	GTT GAA Val Glu	AAG Lys	AGC Ser	GCT Ala 125	CAG Gln	GGA Gly	ATC Ile	CGG Arg	GAA Glu 130	621
CTA CTG	GAT GTT Asp Val	GCT AAA Ala Lys 135	CAG GAC Gln Asp	ATT Ile	CCG Pro 140	TTC Phe	GAC Asp	TTC Phe	TGG Trp	AAG Lys 145	GCC Ala	669
ACC CCT Thr Pro	CTG GTC Leu Val 150	CTC AAG Leu Lys	GCC ACA Ala Thr	GCT Ala 155	GGC Gly	TTA Leu	CGC Arg	CTG Leu	TTA Leu 160	CCT Pro	GGA Gly	717
GAA AAG Glu Lys .	GCC CAG Ala Gln 165	AAG TTA Lys Leu	CTG CAG Leu Glr 170	Lys	GTG Val	AAA Lys	GAA Glu	GTA Val 175	TTT Phe	AAA Lys	GCA Ala	765
TCG CCT Ser Pro 180	TTC CTT Phe Leu	GTA GGG Val Gly	GAT GAC Asp Asp 185	TGT Cys	GTT Val	TCC Ser	ATC Ile 190	ATG Met	AAC Asn	GGA Gly	ACA Thr	813
GAT GAA Asp Glu 195	GGC GTT Gly Val	TCG GCG Ser Ala 200	TGG ATC	ACC Thr	ATC Ile	AAC Asn 205	TTC Phe	CTG Leu	ACA Thr	GGC Gly	AGC Ser 210	861
TTG AAA . Leu Lys	ACT CCA Thr Pro	GGA GGG Gly Gly 215	AGC AGC Ser Ser	GTG Val	GGC Gly 220	ATG Met	CTG Leu	GAC Asp	TTG Leu	GGC Gly 225	GGA Gly	909

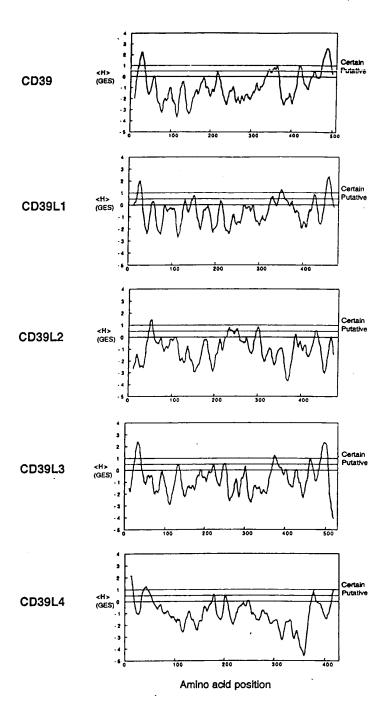
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				ıIl€					Arg					Leu	G CAG	957
			Pro					Ala					Asn		ACC Thr	1005
TAC Tyr	AAG Lys 260	Leu	TAT	TCC	TAC Tyr	AGC Ser 265	Tyr	CTC Leu	GGG Gly	CTC Leu	GGG Gly 270	Leu	ATG Met	TCG	GCA Ala	1053
CGC Arg 275	CTG Leu	GCG Ala	ATC Ile	CTG Leu	GGC Gly 280	Gly	GTG Val	GAG Glu	GGG Gly	CAG Gln 285	Pro	GCT Ala	AAG Lys	GAT Asp	GGA Gly 290	1101
AAG Lys	GAG Glu	TTG Leu	GTC Val	AGC Ser 295	CCT Pro	TGC Cys	TTG Leu	TCT Ser	CCC Pro 300	AGT Ser	TTC Phe	AAA Lys	GGA Gly	GAG Glu 305	TGG Trp	1149
GAA Glu	CAC His	GCA Ala	GAA Glu 310	GTC Val	ACG Thr	TAC Tyr	AGG Arg	GTT Val 315	TCA Ser	GGG Gly	CAG Gln	AAA Lys	GCA Ala 320	GCG Ala	GCA Ala	1197
AGC Ser	CTG Leu	CAC His 325	GAG Glu	CTG Leu	TGT Cys	GCT Ala	GCC Ala 330	AGA Arg	GTG Val	TCA Ser	GAG Glu	GTC Val 335	CTT Leu	CAA Gln	AAC Asn	1245
Arg	GTG Val 340	CAC His	AGG Arg	ACG Thr	GAG Glu	GAA Glu 345	GTG Val	AAG Lys	CAT His	GTG Val	GAC Asp 350	TTC Phe	TAT Tyr	GCT Ala	TTC Phe	1293
TCC Ser 355	TAC Tyr	TAT Tyr	TAC Tyr	GAC Asp	CTT Leu 360	GCA Ala	GCT Ala	GGT Gly	GTG Val	GGC Gly 365	CTC Leu	ATA Ile	GAT Asp	GCG Ala	GAG Glu 370	1341
AAG Lys	GGA Gly	GGC Gly	AGC Ser	CTG Leu 375	GTG Val	GTG Val	GGG Gly	GAC Asp	TTC Phe 380	GAG Glu	ATC Ile	GCA Ala	GCC Ala	AAG Lys 385	TAC Tyr	1389
GTG '	TGT Cys	CGG Arg	ACC Thr 390	CTG Leu	GAG Glu	ACA Thr	CAG Gln	CCG Pro 395	CAG Gln	AGC Ser	AGC Ser	CCC Pro	TTC Phe 400	TCA Ser	TGC Cys	1437
ATG (Asp	CTC Leu 405	ACC Thr	TAC Tyr	GTC Val	AGC Ser	CTG Leu 410	CTA Leu	CTC Leu	CAG Gln	GAG Glu	TTC Phe 415	GGC Gly	TTT Phe	CCC Pro	1485
AGG A	AGC Ser 120	AAA Lys	GTG Val	CTG Leu	AAG Lys	CTC Leu 425	ACT Thr	CGG Arg	AAA Lys	ATT Ile	GAC Asp 430	AAT Asn	GTT Val	GAG Glu	ACC Thr	1533
AGC T Ser T 435	rgg rp	GCT Ala	CTG Leu	GGG Gly	GCC Ala 440	ATT Ile	TTT Phe	CAT His	Tyr	ATC Ile 445	GAC Asp	TCC Ser	CTG . Leu .	Asn	AGA Arg 450	1581
CAG A Gln I			Pro .			TAGT	GGCC	ga g	CCAT	CCCT	G TC	CCCG	TCAG	CAG	TGTCT	1637
GTGTG GGCCG TGGCA	TGC	TG G	CACT'	TTCT	G CA	CACT	GGCT	CTG	GGAC'	TTG (CAGA.	AGGC	T GO	STGC	GCACA TGCCC TGCTC	1697 1757 1817

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AATGCCACCT	GTCTGCCTGG	GCTCCAAGTG	GGCAGGACCA	GGACAGAACC	ACAGGCACAC	1877
ACTGAGGGGG	CAGTGTGGCT	CCCTGCCTGT	CCCATCCCCA	TGCCCCGTCC	GCGGGGCTGT	1937
	GTGCATGTCC					1997
	AGCTCCCCTT					2057
CTCTGGGGAA	GCCGAGGGAC	AGCCATAACA	CCCCCGGGAC	AGTAGGTCTG	GGCGGCACCA	2117
CTGGGAACTC	TGGACTTGAG	TGTGTTTGCT	CTTCCTTGGG	TATGAATGTG	TGAGTTCACC	2177
CAGAGGCCTG	CTCTCCTCAC	ACATTGTGTG	GTTTGGGGTT	AATGATGGAG	GGAGACACCT	2237
	GGCAGGTGCC					2297
	GTAAACTATT					2357
	TGTGTAGAAA					2417
	TCGCTACTGT				TTAGGTGCAG	2477
	GGTCAGCTGA				CTCGGGCCAC	2537
	CCTCGGGCTG				CCGGGCCGTG	2597
CATCCTGCTC	AGTGTGGCGT	CAGTGTCGGG	GCTGAGCCCC	TTGAGCTGCT	TCAGTGAATG	2657
TACAGTGCCC	GGCACGAGCT	GAACCTCATG	TGTTCCACTC	CCAATAAAAG	GTTGACAGGG	2717
GCTTCTCCTT	CAAAAAAAAA	AAAAAAAAA	AAAAAAAAA	AAAAA		2762

Fig. 4 (contid)



F16.5

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						AG A M	TG T	TC A	CT G	rg C	TG A	cc c	GC C	AA C	AATCGG CA TGT ro Cys 10	112
GA G1	G CA u Gl	A GC n Al	A GG a Gl	C CTO y Let 15	C AAG u Ly:	G GC s Al	C CT	C TAC	C CGA Arg 20	A AC	T CC.	A AC o Th	C AT	C AT e Il 25	T GCC e Ala	160
TT Le	G GT u Va	G GT l Va	C TTO 1 Let 30	G CT	r GTC ı Val	G AG	r Ile	T GTO e Val	GTA Val	Let	r GTG	G AG l Se	T AT r Il 40	C AC	T GTC r Val	208
AT:	C CAG	G ATO 110 45	C CAG e His	C AAG s Lys	G CAA	A GAO	G GT0 1 Val 50	C CTC	CCT Pro	CC#	A GG/	A CTO Y Let 55	G AA	G TA	r GGT r Gly	256
AT'	F GT0 ⇒ Val 60	G CTO	G GAT 1 Asp	GCC Ala	GGG Gly	S TCT Ser 65	TCA Ser	A AGA	ACC Thr	ACA Thr	Val 70	TAC Ty	C GTG	G TA1	CAA Gln	304
TGC Trp 75	CCA Pro	A GCA	A GAA	A AAA 1 Lys	GAG Glu 80	AA1 Asn	AA1 Asn	ACC Thr	GGA Gly	GTG Val 85	GTC Val	Ser	CA/	A ACC	TTC Phe 90	352
AAA Lys	TGI Cys	AG1 Ser	GTG Val	Lys 95	GGC Gly	TCT Ser	GGA Gly	ATC Ile	TCC Ser 100	AGC Ser	TAT Tyr	GGA Gly	AAT Asr	AAC Asn 105		400
CAA Gln	GAT Asp	GTC Val	Pro	Arg	GCC Ala	TTT Phe	GAG Glu	GAG Glu 115	TGT Cys	ATG Met	CAA Gln	AAA Lys	GTC Val 120	Lys	GGG Gly	448
CAG Gln	GTT Val	CCA Pro 125	Ser	CAC His	CTC Leu	CAC His	GGA Gly 130	TCC Ser	ACC Thr	CCC Pro	ATT Ile	CAC His 135	CTG Leu	GGA Gly	GCC Ala	496
ACG Thr	GCT Ala 140	GGG Gly	ATG Met	CGC Arg	TTG Leu	CTG Leu 145	A GG A rg	TTG Leu	CAA Gln	AAT Asn	GAA Glu 150	ACA Thr	GCA Ala	GCT Ala	AAT Asn	544
GAA Glu 155	GTC Val	CTT Leu	GAA Glu	AGC Ser	ATC Ile 160	CAA Gln	AGC Ser	TAC Tyr	TTC Phe	AAG Lys 165	TCC Ser	CAG Gln	CCC Pro	TTT Phe	GAC Asp 170	592
TTT Phe	AGG Arg	GGT Gly	GCT Ala	CAA Gln 175	ATC Ile	ATT Ile	TCT Ser	GGG Gly	CAA Gln 180	GAA Glu	GAA Glu	GGG Gly	GTA Val	TAT Tyr 185	GGA Gly	640
TGG Trp	ATT Ile	ACA Thr	GCC Ala 190	AAC Asn	TAT Tyr	TTA Leu	ATG Met	GGA Gly 195	AAT Asn	TTC Phe	CTG Leu	GAG Glu	AAG Lys 200	AAC Asn	CTG Leu	688
TGG Trp	CAC His	ATG Met 205	TGG Trp	GTG Val	CAC His	CCG Pro	CAT His 210	GGA Gly	GTG (Val (GAA Glu	ACC Thr	ACG Thr 215	GGT Gly	GCC Ala	CTG Leu	736
GAC Asp	TTA Leu 220	GGT Gly	GGT Gly	GCC Ala	Ser	ACC Thr 225	CAA Gln	ATA '	TCC Ser 1	Phe	GTG Val 230	GCA Ala	GGA Gly	GAG Glu	AA G Lys	784

ATG Met 235	GAT Asp	CTG Leu	AAC Asn	ACC Thr	AGC Ser 240	GAC Asp	ATC Ile	ATG Met	CAG Gln	GTG Val 245	TCC Ser	CTG Leu	TAT Tyr	GGC Gly	TAC Tyr 250	832
GTA Val	TAC Tyr	ACG Thr	CTC Leu	TAC Tyr 255	ACA Thr	CAC His	AGC Ser	TTC Phe	CAG Gln 260	TGC Cys	TAT Tyr	GGC Gly	CGG Arg	AAT Asn 265	GAG Glu	880
GCT Ala	GAG Glu	AAG Lys	AAG Lys 270	TTT Phe	CTG Leu	GCA Ala	ATG Met	CTC Leu 275	CTG Leu	CAG Gln	AAT Asn	TCT Ser	CCT Pro 280	ACC Thr	AAA Lys	928
AAC Asn	CAT His	CTC Leu 285	ACC Thr	AAT Asn	CCC Pro	TGT Cys	TAC Tyr 290	CCT Pro	CGG Arg	GAT Asp	TAT Tyr	AGC Ser 295	ATC Ile	AGC Ser	TTC Phe	976
ACC Thr	ATG Met 300	GGC Gly	CAT His	GTA Val	TTT Phe	GAT Asp 305	AGC Ser	CTG Leu	TGC Cys	ACT Thr	GTG Val 310	GAC Asp	CAG Gln	AGG Arg	CCA Pro	1024
GAA Glu 315	AGT Ser	TAT Tyr	AAC Asn	CCC Pro	AAT Asn 320	GAT Asp	GTC Val	ATC Ile	ACT Thr	TTT Phe 325	GAA Glu	GGA Gly	ACT Thr	GGG Gly	GAC Asp 330	1072
CCA Pro	TCT Ser	CTG Leu	T GT Cys	AAG Lys 335	GAG Glu	AAG Lys	GTG Val	GCT Ala	TCC Ser 340	ATA Ile	TTT Phe	GAC Asp	TTC Phe	AAA Lys 345	GCT Ala	1120
TGC Cys	CAT His	GAT Asp	CAA Gln 350	GAA Glu	ACC Thr	TGT Cys	TCT Ser	TTT Phe 355	GAT Asp	GGG Gly	GTT Val	TAT Tyr	CAG Gln 360	CCA Pro	AAG Lys	1168
ATT Ile	AAA Lys	GGG Gly 365	CCA Pro	TTT Phe	GTG Val	GCT Ala	TTT Phe 370	GCA Ala	GGA Gly	TTC Phe	TAC Tyr	TAC Tyr 375	ACA Thr	GCC Ala	AGT Ser	1216
GCT Ala	TTA Leu 380	AAT Asn	CTT Leu	TCA Ser	GGT Gly	AGC Ser 385	TTT Phe	TCC Ser	CTG Leu	GAC Asp	ACC Thr 390	TTC Phe	AAC Asn	TCC Ser	AGC Ser	1264
ACC Thr 395	TGG Trp	AAT Asn	TTC Phe	TGC Cys	TCA Ser 400	CAG Gln	AAT Asn	TGG Trp	AGT Ser	CAG Gln 405	CTC Leu	CCA Pro	CTG Leu	CTG Leu	CTC Leu 410	1312
CCC Pro	AAA Lys	TTT Phe	GAT Asp	GAG Glu 415	GTA Val	TAT Tyr	GCC Ala	CGC Arg	TCT Ser 420	TAC Tyr	TGC Cys	TTC Phe	TCA Ser	GCC Ala 425	AAC Asn	1360
TAC Tyr	ATC Ile	TAC Tyr	CAC His 430	TTG Leu	TTT Phe	GTG Val	AAC Asn	GGT Gly 435	TAC Tyr	AAA Lys	TTC Phe	ACA Thr	GAG Glu 440	GAG Glu	ACT Thr	1408
TGG Trp	CCC Pro	CAA Gln 445	ATA Ile	CAC His	TTT Phe	GAA Glu	AAA Lys 450	GAA Glu	GTG Val	GGG Gly	AAT Asn	AGC Ser 455	AGC Ser	ATA Ile	GCC Ala	1456
TGG Trp	TCT Ser 460	CTT Leu	GGC Gly	TAC Tyr	ATG Met	CTC Leu 465	AGC Ser	CTG Leu	ACC Thr	AAC Asn	CAG Gln 470	ATC Ile	CCA Pro	GCT Ala	GAA Glu	1504
AGC Ser 475	CCT Pro	CTG Leu	ATC Ile	CGT Arg	CTG Leu 480	CCC Pro	ATA Ile	GAA Glu	CCA Pro	CCT Pro 485	GTC Val	TTT Phe	GTG Val	GGC Gly	ACC Thr 490	1552

Fig. 6 (cont.d.)

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				CTG GCA TTT Leu Ala Phe		1600
TAC CTG TG	T TCA GCA A S Ser Ala T 510	CC AGA AGA hr Arg Arg	AAG AGG CAC Lys Arg His 515	TCC GAG CAT Ser Glu His 520	: Ala Phe	1648
GAC CAT GCA Asp His Ala 525	a Val Asp S		GCCTTCA AAGC	AGCTCC TGGAG	TCCAA TGGC	1703
TGCTTAGAGT	CAGCCTGGGT	GGCACCAGGC	AATGCAGGTG	AAGTGGCTGC	CTTCAGGAAA	1763
				CAAATACTGA		1823
				GTTCTTCAGA		1883
				CACTAAGGTC		1943
				AGTTTAATGT		2003
				TCCTGGCAAG		2063
				ATTGGTCTTT		2123
TTCTTGTAGC	AATCTCGTAA	GCAGTGAACC	CCCTCAGATC	AGTAGAATAT	AGTATCTGGG	2183
GGAGAAGACT	TACTTCCTTC	AGGGCAGCAG	CCACAGCCAG	GCTTCTGTCA	TACAGGTAGA	2243
TCCCGAAGCA	CAGAGACATA	AAAAAGGTCT	CCCAGAAAAC	TATAGACCAT	TCTCCAAGTG	2303
GAATTCCCAC	TTAGGGCTCT	GGTCACTAGA	TTGCAACCTG	TGTGTTTGTC	ATCATCCTCA	2363
TCTCACCATT	GTATTGCTAT	GCCCTCCCAT	AAAAACACAT	TGATCCCTAG	CAAGATTATT	2423
GCATTCCAGA	TTTTACTGCC	TTTGCTAGGC	TTTTGCTTAG	CAAAGGGCTG	ACTTTCCATT	2483
GTTATCATGG	TGTATATATT	TTTGTCACCA	TTCCCACAAG	TATACTTGAT	GTTGTCATAG	2543
				CCCAGATCAT .		2603
				AAGCTGCAGG .		2663
				CTACAAACTA		2723
TTATTTCATA	TTGCTGTTTC	TTAGCTGAAT	ATGGAATAAA	GAACTATTAT	TTTATTTTGA	2783
AAAAAAAAA	AAAA					2797

FIG. 6 (cont.d)

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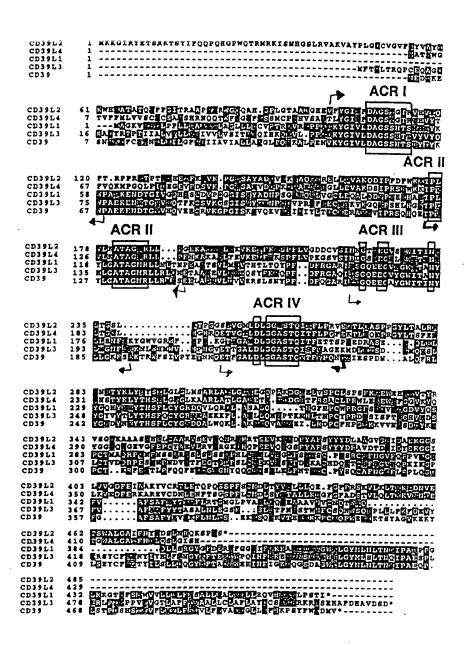
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TCAT AAAA TGCA AAAA	ACAG AGTG GGTG .GA A	AC A AT A TG C TG G let A	AGAT ATAAT CGAGC SCC A Ala T	CATT AAAG AGGA CT T	A TG G AA T TG CT T	GTGC CCAA CTTC GG G rp G	GGAG TGCA GC A	AGA ACA CA G	ATTC AAAG TC T	AGA CCT TT T The F	AGGA CCAC TC A	AAGA CCCAG TG C	AA A CC A TG G	AATT CATC TG G	aı	60 120 180 240 288
TCC Ser 15	TGT Cys	GTT Val	TGC Cys	AGC Ser	GCT Ala 20	GTC Val	TCC Ser	CAC His	AGG Arg	AAC Asn 25	CAG Gln	CAG Gln	ACT Thr	TGG Trp	TTT Phe 30	336
GAG Glu	GGT Gly	ATC Ile	TTC Phe	CTG Leu 35	TCT Ser	TCC Ser	ATG Met	TGC Cys	CCC Pro 40	ATC Ile	AAT Asn	GTC Val	AGC Ser	GCC Ala 45	AGC Ser	384
ACC Thr	TTG Leu	TAT Tyr	GGA Gly 50	ATT Ile	ATG Met	TTT Phe	GAT Asp	GCA Ala 55	GGG Gly	AGC Ser	ACT Thr	GGA Gly	ACT Thr 60	CGA Arg	ATT Ile	432
CAT His	GTT Val	TAC Tyr 65	ACC Thr	TTT Phe	GTG Val	CAG Gln	AAA Lys 70	ATG Met	CCA Pro	GGA Gly	CAG Gln	CTT Leu 75	CCA Pro	ATT Ile	CTA Leu	4 80
GAA Glu	GGG Gly 80	GAA Glu	GTT Val	TTT Phe	GAT Asp	TCT Ser 85	GTG Val	AAG Lys	CCA Pro	GGA Gly	CTT Leu 90	TCT Ser	GCT Ala	TTT Phe	GTA Val	528
GAT Asp 95	CAA Gln	CCT Pro	AAG Lys	CAG Gln	GGT Gly 100	GCT Ala	GAG Glu	ACC Thr	GTT Val	CAA Gln 105	GGG Gly	CTC Leu	TTA Leu	GAG Glu	GTG Val 110	576
GCC Ala	AAA Lys	GAC Asp	TCA Ser	ATC Ile 115	CCC Pro	CGA Arg	AGT Ser	CAC His	TGG Trp 120	AAA Lys	AAG Lys	ACC Thr	CCA Pro	GTG Val 125	GTC Val	624
CTA Leu	AAG Lys	GCA Ala	ACA Thr 130	GCA Ala	GGA Gly	CTA Leu	CGC Ar g	TTA Leu 135	CTG Leu	CCA Pro	GAA Glu	CAC His	AAA Lys 140	GCC Ala	AAG Lys	672
GCT Ala	CTG Leu	CTC Leu 145	TTT Phe	GAG Glu	GTA Val	AAG Lys	GAG Glu 150	ATC Ile	TTC Phe	AGG Arg	AAG Lys	TCA Ser 155	CCT Pro	TTC Phe	CTG Leu	720
GTA Val	CCA Pro 160	AAG Lys	GGC Gly	AGT Ser	GTT Val	AGC Ser 165	ATC Ile	ATG Met	GAT Asp	GGA Gly	TCC Ser 170	GAC Asp	GAA Glu	GGC Gly	ATA Ile	768
TTA Leu 175	GCT Ala	TGG Trp	GTT Val	ACT Thr	GTG Val 180	AAT Asn	TTT Phe	CTG Leu	ACA Thr	GGT Gly 185	CAG Gln	CTG Leu	CAT His	GGC Gly	CAC His 190	816
AGA Arg	CAG Gln	GAG Glu	ACT Thr	GTG Val 195	GGG Gly	ACC Thr	TTG Leu	GAC Asp	CTA Leu 200	GGG Gly	GGA Gly	GCC Ala	TCC Ser	ACC Thr 205	CAA Gln	864
ATC Ile	ACG Thr	TTC Phe	CTG Leu 210	CCC Pro	CAG Gln	TTT Phe	GAG Glu	AAA Lys 215	ACT Thr	CTG Leu	GAA Glu	CAA Gln	ACT Thr 220	CCT Pro	AGG Arg	912
GGC Gly	TAC Tyr	CTC Leu 225	Thr	TCC Ser	TTT Phe	GAG Glu	ATG Met 230	TTT Phe	AAC Asn	AGC Ser	ACT Thr	TAT Tyr 235	ĄAG Lys	CTC Leu	TAT Tyr	960

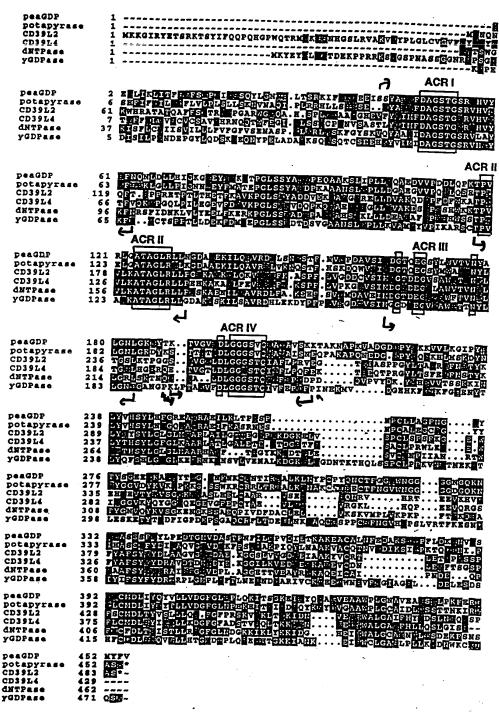
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ACA Thr	CAT His 240	Ser	TAC Tyr	TTG Leu	GGA Gly	TTT Phe 245	GGA Gly	TTG Leu	AAA Lys	GCT Ala	GCA Ala 250	AGA Arg	CTA Leu	GCA Ala	ACC Thr	1008
CTG Leu 255	GGA Gly	GCC Ala	CTG Leu	GAG Glu	ACA Thr 260	GAA Glu	GGG Gly	ACT Thr	GAT Asp	GGG Gly 265	CAC His	ACT Thr	TTC Phe	CGG Arg	AGT Ser 270	1056
			CCG Pro													1104
			TAT Tyr 290													1152
			GAA Glu													1200
			CAG Gln													1248
			GAC Asp													1296
			GAT Asp													1344
			ACC Thr 370													1392
ATC Ile	ACA Thr	GCC Ala 385	CTG Leu	TTA Leu	AAG Lys	Asp	GGC Gly 390	TTT Phe	GGC Gly	TTT Phe	Ala	GAC Asp 395	AGC Ser	ACA Thr	GTC Val	1440
Leu			ACA Thr		Lys											1488
GGG (Gly / 415				His					Leu					TGAG	GCCAC	1539
TTTC TACAC TCAC CCAG TCCAC	TGAA CATC AGAG GGAC CTGA CAAT	CT A TA A AG C AG G AT A AT C	GTCTCTGTGTCCCCTTTTA	GGGA AACT TGAG TGGA AATT TTTT	C ATC G CT C CA A ACC T TC T TT	CCTG(GCCT/ AAAA(CAAA(CTCT' CCTC(GACT AACC GTAT GAAA FAAA CCTA	TGA ACT AGT AAT TGG TAC	GCCT. CAAG. FTTG CGCA' FAAA AGTG	AGA AGT GAA TTT CTG CCC	GATT ACAC CTTA CAAC ACTT	TAGG AGCT ACCT CCTT ATTG	TT T. GG C. TG G. TG A.	AATT. ACCA AGTG. GTGC TCCC.	CTTAG AATTT GAGCA AGAGC CTCAT AAGAC GCACC	1599 1659 1719 1779 1839 1899 1959

Fig. 7 (cont'd)



F16.8



F16.9